

**SEA&LAND ELECTRONIC CORP.**

13F., No.120-10,  
Sec. 3, Zhongshan Rd., Zhonghe Dist., New Taipei City 235,  
Taiwan  
Tel.: 886-2-8221-2567  
Fax.: 886-2-2225-7268

**Techfuse**  
**PTC Devices**  
Resettable Fuse

PRODUCT: mSMD150-24V  
DOCUMENT QR0429  
ECN. NO.:  
REV LETTER:  
REV DATE: 2014/9/23  
PAGE NO.: 1 of 1

## Specification Sheet

Terminal Pad Solderability:  
Meets EIA Specification RS186-9E  
And ANSI/J-STD-002 Category 3.

Terminal Pad Materials:  
Tin-plated Nickel-Copper

Lead-Free, RoHS Compliant

Marking:

$\alpha$  Alpha Logo  
150 Part Identification

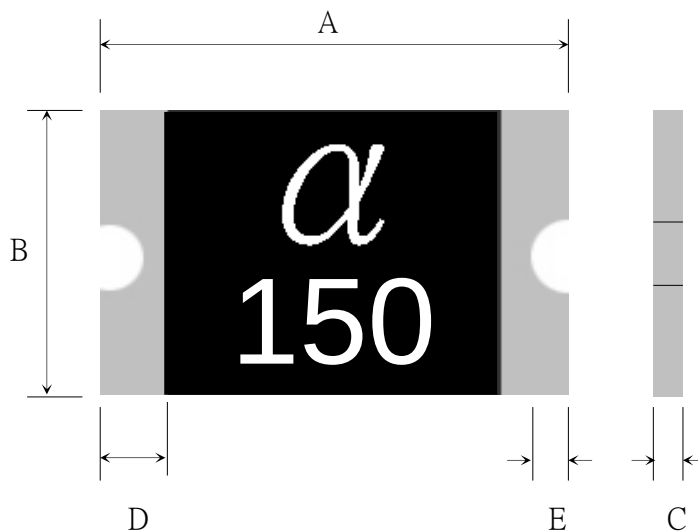


TABLE I. DIMENSIONS:

| Model       | A    |      | B    |      | C    |      | D    | E    |
|-------------|------|------|------|------|------|------|------|------|
|             | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Min. |
| mSMD150-24V | 4.37 | 4.73 | 3.07 | 3.41 | 1.10 | 1.80 | 0.30 | 0.25 |

Unit:mm

TABLE II. PERFORMANCE RATINGS:

| Model       | $V_{\max}$<br>(V) | $I_{\max}$<br>(A) | $I_{\text{hold}}$<br>@25°C<br>(A) | $I_{\text{trip}}$<br>@25°C<br>(A) | $P_d$<br>Typ.<br>(W) | Maximum<br>Time To Trip |               | Resistance            |                       |
|-------------|-------------------|-------------------|-----------------------------------|-----------------------------------|----------------------|-------------------------|---------------|-----------------------|-----------------------|
|             |                   |                   |                                   |                                   |                      | Current<br>(A)          | Time<br>(Sec) | $R_{i_{\min}}$<br>(Ω) | $R_{1_{\max}}$<br>(Ω) |
| mSMD150-24V | 24.0              | 100               | 1.50                              | 3.00                              | 0.8                  | 8.0                     | 0.50          | 0.040                 | 0.160                 |

### Order Information

### Packaging

| mSMD1812                  | 150     | -24V    | Tape & Reel Quantity |
|---------------------------|---------|---------|----------------------|
| Product name              | Hold    | Max     | 1500 pcs/reel        |
| Size 4532 mm /1812 mils   | Current | voltage |                      |
| SMD: surface mount device | 1.50A   |         |                      |

Recognition: UL pending.